

Setting up to Develop

*The One True Way*

# Prep Work

# DarwinPorts

- <http://darwinports.org/downloads/DarwinPorts-1.2-10.4.dmg>
- open the disk image
- run the package installer

# Update DarwinPorts

- Open a terminal window
- Issue the command:
  - `sudo port -d selfupdate`

# Install Subversion

- `sudo port install subversion`

*Version Control with*

Subversion

- <http://svnbook.red-bean.com/>

# Set up a repository

- Open a terminal
- `svnadmin create /Users/Shared/svnroot`

# Put in the basic structure

- `cd ~`
- `mkdir tmpdir`
- `cd tmpdir`
- `mkdir trunk`
- `mkdir branches`
- `mkdir tags`
- `svn import . file:///Users/Shared/svnroot --message "initial structure"`

# Make a space for your projects

- `cd ~`
- `rm -rf tmpdir`
- `svn co file:///Users/Shared/svninfo/trunk`

# edit ~/.subversion/config

## [miscellany]

**global-ignores = \*.o \*.lo \*.la ### \*.rej \*.rej .\*~ \*~ .#\* .DS\_Store .pyc .pyo**  
**enable-auto-props = yes**

## [auto-props]

**\*.c = svn:eol-style=native**  
**\*.m = svn:eol-style=native**  
**\*.mm = svn:eol-style=native**  
**\*.cpp = svn:eol-style=native**  
**\*.h = svn:eol-style=native**  
**\*.sh = svn:eol-style=native;svn:executable**  
**\*.txt = svn:eol-style=native**  
**\*.png = svn:mime-type=image/png**  
**\*.jpg = svn:mime-type=image/jpeg**  
**\*.gif = svn:mime-type=image/gif**  
**\*.ai = svn:mime-type=application/octet-stream**  
**\*.pdf = svn:mime-type=application/octet-stream**  
**\*.py = svn:eol-style=native**  
**\*.html = svn:eol-style=native**  
**\*.htm = svn:eol-style=native**  
**\*.bash = svn:eol-style=native;svn:executable**

# Add your project

- Create a project with XCode - save it into `~/trunk/projectname`
- `cd ~/trunk`
- `svn add projectname`
- `svn commit`

# Now use it!

- After making changes, issue the command “svn status” and verify the files are listed as changed.
- issue “svn add filename...” to add a new file to the repository after you create it in XCode.
- Close out of XCode and issue “svn commit” to save your current versions into the repository.

# Going back in time

- To get back to the version from April 1st, 2006, use the command:
  - `svn update -r{2006-04-01}`
- If you know the revision number:
  - `svn update -r241`

# Reverting

- Get back to the last submitted work:
  - `cd ~/trunk`
  - `svn revert`
- Or just blow it all away:
  - `cd ~`
  - `rm -rf trunk`
  - `svn co file:///Users/Shared/trunk trunk`

# Undoing a change

- You just realized that you blew it with the submission number 391. Undo it:
  - `cd ~/trunk`
  - `svn merge -r391:390`
  - `svn commit`

# Ubuntu

- But I've got this Ubuntu box...
  - `sudo apt-get install ssh subversion`
  - `svnadmin create /home/svnroot`
  - `svn something svn+ssh://ubuntu-box/home/svnroot`

# XCode

- Add your project to subversion **BEFORE** you enable subversion support for that project in Xcode
- SCM -> Configure SCM...

